

Amendments to the Specification:

The specification has been amended as follows:

- Please amend paragraph [0006], as follows:

[0006] Representative background art related to the invention may be found, e.g., in the patents and publications referenced above, and in U.S. Patents 6,415,185 ~~6,451,185~~; 6,295,467; 6,219,580; 6,205,360; 6,195,585; and 5,626,629, each of which is incorporated herein by reference.

- Please amend paragraph [0024], as follows, on line 8 below, after “invention” please insert - -is- -.

[0024] Thus, it is seen that the multiplicity of electrode contacts 42 located on the electrode array 40, with or without the reference electrode 32 located on the case of the IPG 30, provide a large number of possible electrode combinations that could be used when applying stimulation pulses to the body tissue. When all of these possible electrode combinations are further combined with all of the possible parameter changes that could be made to the applied stimulus pulse(s), it is evident that the number of combinations that need to be tested in order to determine an optimum safe and efficacious combination for use by the patient is almost unmanageable. One purpose of the present invention is to provide a way to quickly and safely identify which electrode combinations, and which stimulus parameters, are most efficacious for a given patient.